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1999/Z004 – Ma 1204 – C36

Claims for USA:

- Sub B1
1. DNA-construct for the tissue-specific expression of a blood coagulation factor comprising a DNA coding for an amino acid sequence of a blood coagulation factor and a DNA coding for a promoter which is specific for the expression in hematopoietic cells.
 2. DNA-construct as claimed in claim 1, wherein as promoter the DNA coding for the human platelet glycoprotein IIb (GPIIb) is inserted.
 3. DNA-construct as claimed in claim 1 wherein the DNA coding for the amino acid sequence of an blood coagulation factor is the cDNA coding for Factor IX.
 4. DNA-construct as claimed in claim 1, wherein the first truncated intron (Intron 1) of the human FIX gene has been inserted additionally into the FIX-cDNA.
 5. Process for the production of Factor IX wherein the Factor IX is expressed in a hematopoietic cell line into which the DNA-construct of claim 1 has been transfected.
 6. Process as claimed in claim 5, wherein the production of Factor IX is stimulated by an inducer.
 7. Process as claimed in claim 6, wherein the production of Factor IX is stimulated by phorbol-12-myristate-13-acetate (PMA).
- ADD B2